

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rabiner et al.
 Serial No.: Not Yet Assigned
 Filed: September 19, 2003
 Entitled: Apparatus and Method of Removing
 Occlusions Using an Ultrasonic
 Medical Device Operating in a
 Transverse Mode

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Conf. No.: Not Yet Assigned

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EL928103906US** on this date, **September 19, 2003**, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

David J. Dykeman

Name of Person Mailing Paper

Signature of Person Mailing Paper

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98

Dear Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office.

A listing of the cited documents, as well as, for the Examiner's convenience, copies of all foreign patent documents and non-patent literature are enclosed. This application was filed after June 30, 2003, and copies of U.S. patents and U.S. patent applications are not required and are not enclosed.

Pursuant to CFR § 1.97(b)(3), because this Statement is being submitted before the first Office Action on the merits, no fee is required.

Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Date: September 19, 2003

Respectfully submitted,

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USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket No. 20563/1014		Serial No. Not Yet Assigned	
INFORMATION DISCLOSURE STATEMENT				Applicant(s): Rabiner et al.			
				Filing Date: September 19, 2003		Group: Not Yet Assigned	
U.S. PATENT DOCUMENTS							
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
		3,805,787	April 23, 1974	Banko	128	276	June 16, 1972
		4,504,264	March 12, 1985	Kelman	604	22	September 24, 1982
		4,870,953	October 3, 1989	DonMichael et al.	604	22	November 13, 1987
		4,922,902	May 8, 1990	Wuchinich et al.	604	22	December 16, 1987
		4,931,047	June 5, 1990	Broadwin et al.	604	22	September 30, 1987
		4,961,424	October 9, 1990	Kubota et al.	128	24A	July 27, 1988
		4,989,583	February 5, 1991	Hood	128	24A	October 21, 1988
		5,015,227	May 14, 1991	Broadwin et al.	604	22	April 3, 1990
		5,112,300	May 12, 1992	Ureche	604	22	April 3, 1990
		5,139,496	August 18, 1992	Hed	606	23	December 20, 1990
		5,163,421	November 17, 1992	Bernstein et al.	128	24.1	December 12, 1989
		5,180,363	January 19, 1993	Idemoto et al.	202	32	December 23, 1991
		5,269,297	December 14, 1993	Weng et al.	128	24AA	February 27, 1992
		5,324,255	June 28, 1994	Passafaro et al.	604	22	July 10, 1992
		5,725,494	March 10, 1998	Briskin	604	22	November 30, 1995
		5,728,062	March 17, 1998	Briskin	604	22	November 30, 1995
		5,735,811	April 7, 1998	Briskin	604	22	November 30, 1995
		5,916,192	June 29, 1999	Nita et al.	604	22	February 13, 1995
		5,928,218	July 27, 1999	Gelbfish	604	540	May 24, 1996

		5,931,805	August 3, 1999	Briskin	604	22	June 2, 1997
		6,287,271	September 11, 2001	Dubrul et al.	604	22	January 9, 1998
		6,524,251	February 25, 2003	Rabiner et al.	600	439	February 15, 2001
		6,551,337	April 22, 2003	Rabiner et al.	606	169	July 19, 2000
		6,579,277	June 17, 2003	Rabiner et al.	604	525	September 15, 2000
		6,579,279	June 17, 2003	Rabiner et al.	604	528	September 19, 2000
		2002/0077550	June 20, 2002	Rabiner et al.	600	439	January 5, 2002
		2002/0055754	May 9, 2002	Ranucci et al.	600	169	October 11, 2001

FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document No.	Publication Date	Country	Class	Subclass	Translation	
							YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
	A	International Search Report based on PCT/US02/02059 dated July 9, 2002

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/02059

A

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 17/22, 17/20

US CL : 606/159, 173-181, 604/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 606/159, 173-181, 604/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,139,496 A (Hed) 18 August 1992, see col. 3 to col. 14.	1-20
X	US 5,928,218 A (Gelbfish) 27 July 1999, see whole document.	1-10
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Y		11-20
X, P	US 6,287,271 B1 (Dubrul et al.) 11 September 2001, see figs. 1-12.	1-10
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Y, P		15-20
X	US 5,916,192 A (Nita et al.) 29 June 1999, see figs. 1-4C.	1-10, 15-20
X	US 5,324,255 A (Passafaro et al.) 28 June 1994, see figs. 1-14.	1-10
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Y		15-20

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"G"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

Date of mailing of the international search report

Name and title

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Washington, D.C. 20231

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